XS1271
XS1872

COOL/DRY Model

SANYO

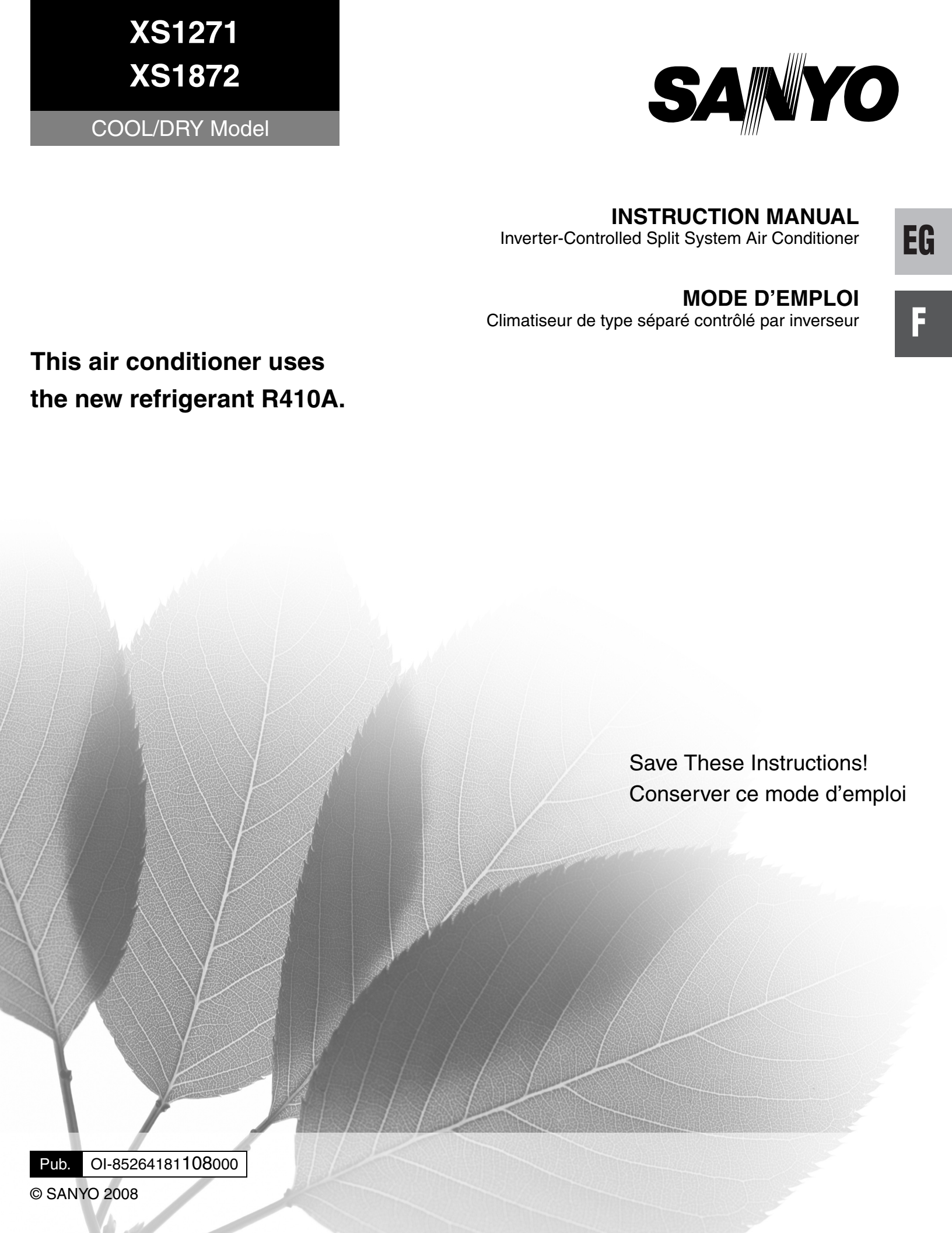
INSTRUCTION MANUAL
Inverter-Controlled Split System Air Conditioner

EG

MODE D'EMPLOI
Climatiseur de type séparé contrôlé par inverseur

F

This air conditioner uses the new refrigerant R410A.



Save These Instructions!
Conserver ce mode d'emploi

Pub. OI-852641811080000

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FEATURES

This air conditioner is an inverter type unit that automatically adjusts capability as appropriate. Details on these functions are provided below; refer to these descriptions when using the air conditioner.

- **Microprocessor Controlled Operation**
  The interior compartment of the remote control unit contains several features to facilitate automatic operation, easy logically displayed for easy use.
- **Simple One-touch Wireless Remote Control**
  The remote control unit has several features to facilitate automatic operation.
- **24-Hour ON or OFF Timer**
  This timer can be set to automatically turn the unit on or off at any time within a 24 hour period.
- **1-Hour OFF Timer**
  This timer can be set to automatically turn off the unit at any time after one hour.
- **Night Setback**
  This function saves energy by controlling operation to provide a quieter operating sound than normal.
- **Automatic and 3-step Fan Speed**
  Auto/High/Medium/Low
- **Air Sweep Control**
  This function moves a flap up and down in the air outlet, directing air in a sweeping motion around the room and providing comfort in every corner.
- **Auto. Flap Control**
  This automatically sets the flap to the optimum position during cooling and drying operation.
- **Automatic Restart Function for Power Failure**
  Even when power failure occurs, preset programmed operation can be reactivated once power resumes.
- **High Power Operation**
  The unit operates at maximum output for 30 minutes, regardless of the desired temperature.
  The fan speed is 1 step above “High”.

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PRODUCT INFORMATION

If you have problems or questions concerning your Air Conditioner, you will need the following information. Model and serial numbers are on the nameplate on the bottom of the cabinet.

Model No. _____

Serial No. _____

Date of purchase _____

Dealer's address _____

Phone number _____

ALERT SYMBOLS

The following symbols used in this manual, alert you to potentially dangerous conditions to users, service personnel or the appliance:

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.

This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

INSTALLATION LOCATION

- **We recommend that this air conditioner be installed properly by qualified installation technicians in accordance with the Installation Instructions provided with the unit.**
- Before installation, check that the voltage of the electric supply in your home or office is the same as the voltage shown on the nameplate.

- **Do not install this air conditioner where there are fumes or flammable gases, or in an extremely humid space such as a greenhouse.**
- **Do not install the air conditioner where excessively high heat-generating objects are placed.**

Avoid:

To protect the air conditioner from heavy corrosion, avoid installing the outdoor unit where salty sea water can splash directly onto it or in sulphurous air near a spa.

ELECTRICAL REQUIREMENTS

1. All wiring must conform to the local electrical codes. Consult your dealer or a qualified electrician for details.
2. Each unit must be properly grounded with a ground (or earth) wire or through the supply wiring.
3. Wiring must be done by a qualified electrician.

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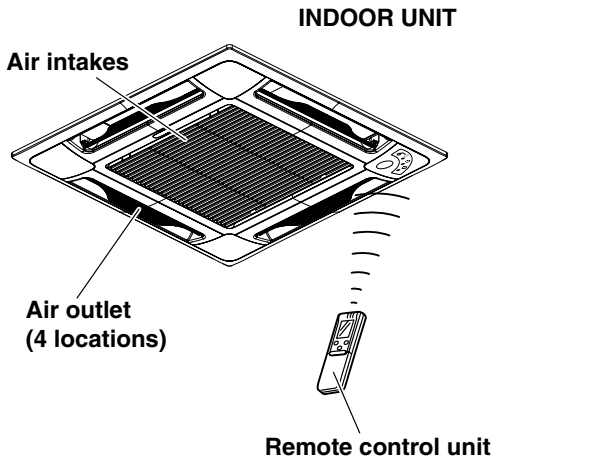
SAFETY INSTRUCTIONS

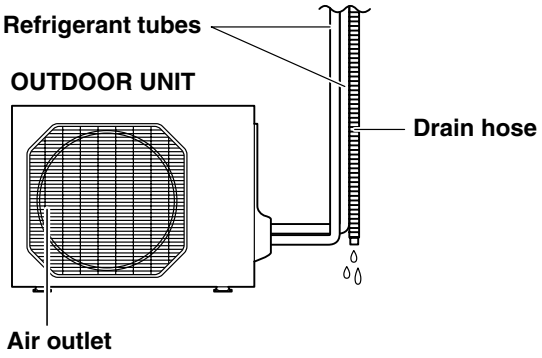
- **Read this Instruction Manual carefully before using this air conditioner. If you still have any difficulties or problems, consult your dealer for help.**
- **This air conditioner is designed to give you comfortable room conditions. Use this only for its intended purpose as described in this Instruction Manual.**

- **Never use or store gasoline or other flammable vapor or liquid near the air conditioner — it is very dangerous.**
- **This air conditioner has no ventilator for intaking fresh air from outdoors. You must open doors or windows frequently when you use gas or oil heating appliances in the same room, which consume a lot of oxygen from the air. Otherwise there is a risk of suffocation in an extreme case.**

- **Do not turn the air conditioner on and off from the power mains switch. Use the ON/OFF operation button.**
- **Do not stick anything into the air outlet of the outdoor unit. This is dangerous because the fan is rotating at high speed.**
- **Do not let children play with the air conditioner.**
- **Do not cool the room too much if babies or invalids are present.**

NAMES OF PARTS





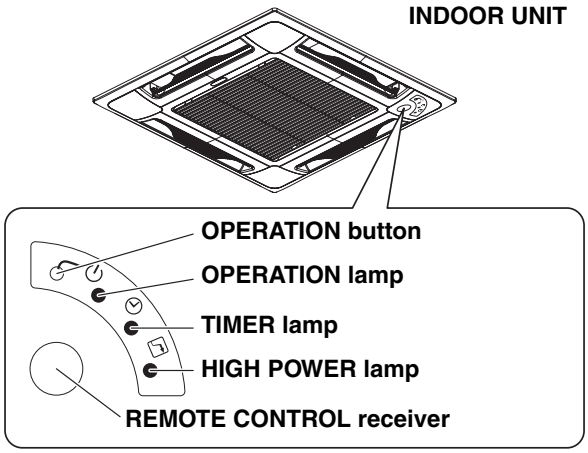
NOTE

This illustration is based on the external view of a standard model. Consequently, the shape may differ from that of the air conditioner which you have selected.

This air conditioner consists of an indoor unit and an outdoor unit. You can control the air conditioner with the remote control unit.

Air Intake	Air from the room is drawn into this section and passes through air filters which remove dust.
Air Outlet	Conditioned air is blown out of the air conditioner through the air outlet.
Remote Control Unit	The wireless remote control unit controls power ON/OFF, operation mode selection, temperature, fan speed, timer setting, and air sweeping.
Refrigerant Tubes	The indoor and outdoor units are connected by copper tubes through which refrigerant gas flows.
Drain Hose	Moisture in the room condenses and drains off through this hose.
Outdoor (Condensing) Unit	The outdoor unit contains the compressor, fan motor, heat exchanger coil, and other electrical components.

UNIT DISPLAY AND OPERATION BUTTON



IMPORTANT

Avoid using radio equipment such as mobile phone near (within 4 ft. (1.2 m)) the remote control receiver. Some radio equipment may cause malfunction of the unit.

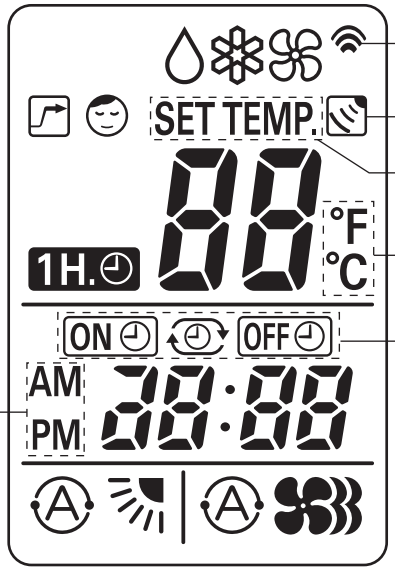
If the trouble happens, disconnect power and restart the air conditioner after a few minutes.

REMOTE CONTROL receiver	This section picks up infrared signals from the remote control unit (transmitter).
OPERATION button	When the remote control cannot be used, pressing this button enables cooling operation. Each time this button is pressed, the operation mode changes cyclically. Cooling operation → Stop
OPERATION lamp	This lamp lights when the system is in the continuous DRY (orange), COOL (green) and FAN (green) mode.
TIMER lamp	This lamp lights when the system is being controlled by the timer.
HIGH POWER lamp	This lamp lights during operation in the HIGH POWER mode.

NOTE

The unit's display lamps are dimmed during operation in the NIGHT SETBACK mode.

REMOTE CONTROL UNIT (DISPLAY)



Displayed when transmitting data

Displayed when indoor unit sensor is in use

Displayed when setting temperature

Displayed when temperature is shown

Displayed when setting timer

Displayed when the time display is set to 12-hour time.

EG

Symbols

(1) Operation mode

MILD DRY .....

COOL .....

FAN .....

(2) Fan speed

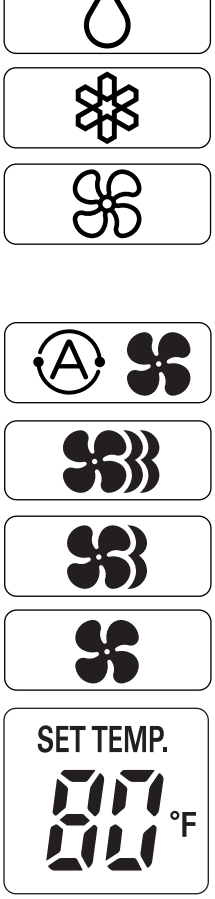
Automatic operation .....

HIGH .....

MEDIUM.....

LOW .....

(3) Temperature setting
60 – 86 °F
When set to 80 °F
temperature indication.....



(4) Timer

24-hour clock with ON/OFF program Timer .....

ON Timer. .....

OFF Timer. .....

1-hour OFF Timer. .....

(5) NIGHT SETBACK.....

(6) Confirmation of transmission.....

(7) Auto. flap indication.....

Flap angle indication.....

Sweep indication.....

(8) High power operation.....

REMOTE CONTROL UNIT

Transmitter

When you press the buttons on the remote control unit, the mark appears in the display to transmit the setting changes to the receiver in the air conditioner.

Display

Information on the operating conditions is displayed while the remote control unit is switched on. If the unit is turned off, FLAP setting and FAN SPEED setting are not displayed.

HIGH POWER button

: If this button is pressed during DRY, COOL or FAN operation, the unit operates at maximum output for 30 minutes, regardless of the desired temperature.
The fan speed is 1step above “HIGH”.

FAN SPEED selector button

: The air conditioner automatically decides the fan speeds.
: High fan speed
: Medium fan speed
: Low fan speed

FLAP button

Press this button either to select the setting of the airflow direction to the auto. flap in each mode or one of the six possible positions manually or to select the sweep function which moves the flap up and down automatically.

: Auto flap setting: If selected in a cooling or dry operation, the flap is set at position (7) in the following chart.
: The airflow direction can be set manually. (six positions)
: The flap moves up and down automatically.

NOTE

When you press the FLAP button, the air flow direction will be changed one by one as follows.

ON TIME/OFF TIME setting buttons

Advance button

Return button

No display: The timer does not operate.

: The air conditioner starts at the set time.

: The air conditioner stops at the set time.

: The air conditioner stops and starts, or starts and stops, at the set times every day. For details, see “SETTING THE TIMER”.

CANCEL button

SENSOR button

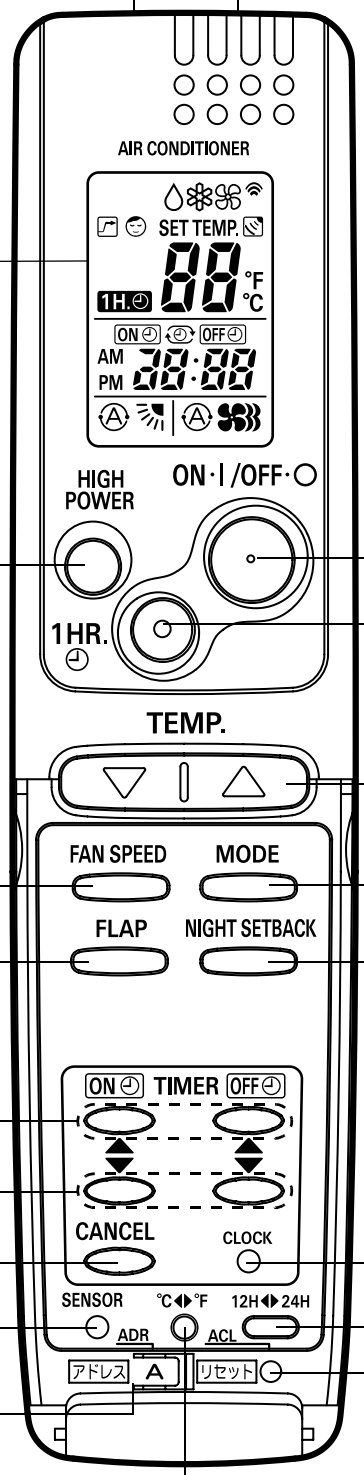
When you press this button (use a small-tipped object such as a ballpoint pen), the mark will appear at the display. And the room temperature is detected by the sensor which is built into the indoor unit and the air conditioner is controlled accordingly.

NOTE

If the remote control is located near a heat source, such as a space heater or in direct sunlight, press the SENSOR button to switch to the sensor on the indoor unit.

ADDRESS switch

- The address switch changes to prevent mixing of signals from remote control units when two air conditioners are installed next to each other. Normally, the address switch is set to A. For more information, please contact the dealer where you made the purchase.
- Normally, the tabs on the remote control unit should not be bent.



Temperature display selector button

This switches the temperature display between °C and °F.

Sensor
A temperature sensor inside the remote control unit senses the room temperature.

ON/OFF operation button
This button is for turning the air conditioner on and off.

1 HR. TIMER button (1-HOUR OFF TIMER)
1H.: When you press this button, regardless of whether the unit is operating or stopping, the unit operates for one hour and then shuts down.

Temperature setting buttons (TEMP.)
Press the △ button to increase the set temperature.
Press the ▽ button to reduce the set temperature.
The temperature setting changes by 1 °C or 2 °F each time one of the TEMP. buttons is pressed.

MODE selector button
Use this button to select DRY, COOL or FAN mode.

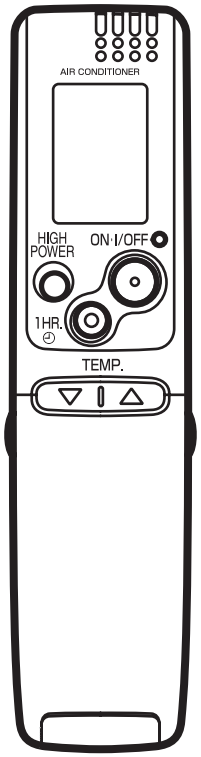
(DRY) : The air conditioner reduces the humidity in the room.
(COOL) : The air conditioner makes the room cooler.
(FAN) : The air conditioner works only as a circulation fan.

NIGHT SETBACK button
For details, see “4. Night Setback Mode”. When you press this button in the DRY or COOL mode, the mark appears in the display, and the remote control unit will automatically adjust the set temperature to save energy.

CLOCK button

Time display selector button
This switches the time display between 24-hour time and 12-hour time.

ACL button (ALL CLEAR)
Puts the remote control unit into pre-operation status. Always press this button after replacing the batteries.



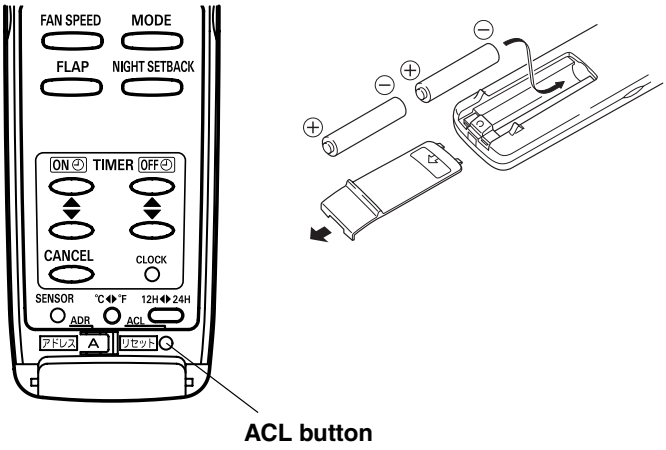
(Cover closed)

NOTE

- The illustration above pictures the remote control unit after the cover has been opened.
- The remote control unit sends the temperature signal to the air conditioner regularly at five minute intervals. If the signal from the remote control unit stops for more than 15 minutes due to the loss of the remote control unit or other trouble, the air conditioner will switch to the temperature sensor which is built into the indoor unit and control the room temperature. In these cases, the temperature around the remote control unit may differ from the temperature detected at the air conditioner’s position.
- The indoor fan runs continuously when the system is in normal operation. It does not turn off when the desired room temperature is reached. If Night Set Back mode is selected, the fan will turn off intermittently during cooling operation in order to control air flow.

USING THE REMOTE CONTROL UNIT

HOW TO INSTALL BATTERIES



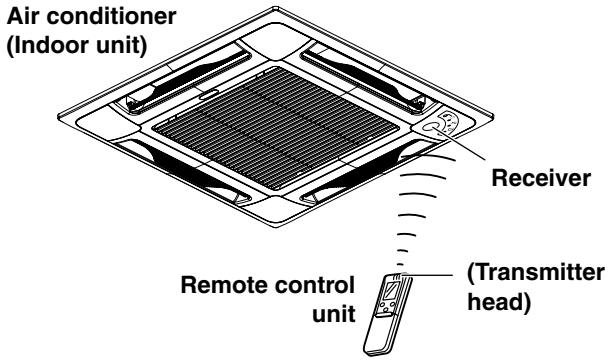
1. Slide the cover in the direction indicated by the arrow and remove it.
2. Install two AAA alkaline batteries. Make sure the batteries point in the direction marked in the battery compartment.
3. Use a thin object such as the tip of a pen to press the ACL button.

NOTE

- **The batteries last about six months, depending on how much you use the remote control unit. Replace the batteries when the remote control unit's display fails to light, or when the remote control cannot be used to change the air conditioner's settings.**
- **Use two fresh leak-proof type-AAA alkaline batteries.**
- **In replacing batteries, follow the instructions as mentioned in the sub-section "HOW TO INSTALL BATTERIES".**
- **If you do not use the remote control unit more than 1 month, take out the batteries.**
- **Dispose of the used batteries at the designated location in compliance with the applicable local ordinances.**

HOW TO USE THE REMOTE CONTROL UNIT

When using the remote control unit, always point the unit's transmitter head directly at the air conditioner's receiver.



REMOTE CONTROL UNIT INSTALLATION POSITION

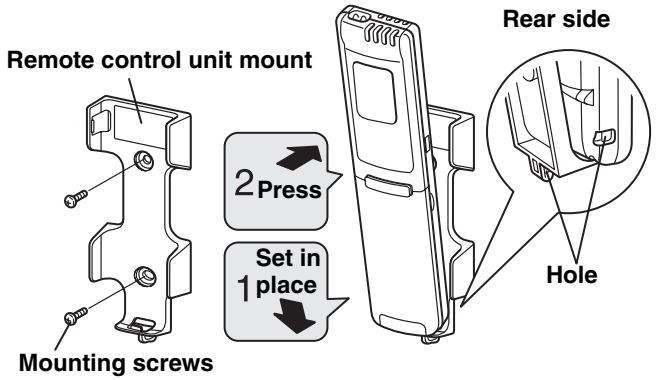
The remote control unit may be operated either from a non-fixed position or from a wall-mounted position. To ensure that the air conditioner operates correctly, DO NOT install the remote control unit in the following places:

DO NOT

- In direct sunlight
- Behind a curtain or other places where it is covered
- More than 26 ft.(8 m) away from the air conditioner
- In the path of the air conditioner's airstream
- Where it may become extremely hot or cold
- Where it may be subject to electrical or magnetic noise
- Where there is an obstacle between the remote control unit and air conditioner (since a check signal is sent from the remote control unit every 5 minutes)

MOUNTING THE REMOTE CONTROL UNIT

Before mounting the remote control unit, press the ON/OFF operation button at the mounting location to make sure that the air conditioner operates from that location. The indoor unit should make a beeping sound to indicate that it has received the signal.



- To prevent loss of the remote control unit, you can connect the remote control unit to the mount by passing a string through the remote control unit and attachment hole.

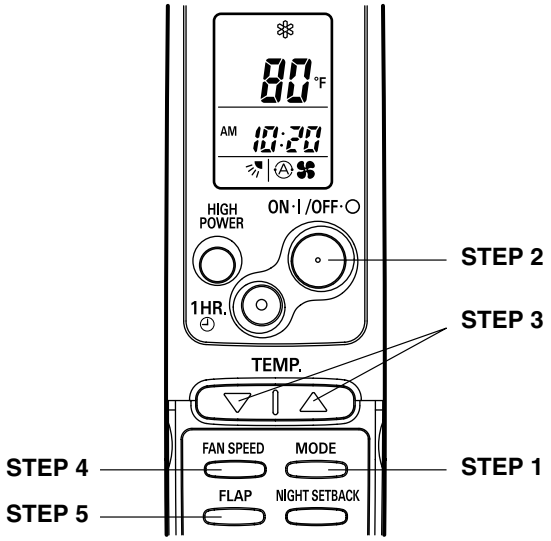
To take out the remote control unit, pull it forward.

WHEN HOLDING THE REMOTE CONTROL UNIT

- When using the remote control unit and during air conditioner operation, the transmitter on the remote control unit should be pointed towards the receiver on the indoor unit.
- Make sure that there are no objects between the remote control unit and receiver which could block the signal.

OPERATION WITH THE REMOTE CONTROL UNIT

1. Operation



NOTE Check that the circuit breaker on the power panel is turned on.

Press the setting buttons as described below and change the settings as desired.

STEP 1	Press the MODE selector button and select the desired mode. For dehumidifying operation → 💧 For cooling operation → ❄ For fan only operation → 🌀
STEP 2	To start the air conditioner, press the ON/OFF operation button.
STEP 3	Press the TEMP. setting buttons to change the temperature setting to the desired temperature. Adjustable temperature range: 30 °C max. or 86 °F max. 16 °C min. 60 °F min.
STEP 4	Set the FAN SPEED selector button to the setting you want.
STEP 5	Press the FLAP button and set the airflow direction as desired. (Refer to "ADJUSTING THE AIRFLOW DIRECTION" on page 12.)

To stop the air conditioner, press the ON/OFF operation button again.

NOTE

- Choose the best position in the room for the remote control unit, which also acts as the sensor for room comfort and transmits the operating instructions. Once you've found this best position, always keep the remote control unit there.
- This appliance has a built-in 5-minute time delay circuit to ensure reliable operation. When the operation button is pressed, the compressor will start running within three minutes. In the event of power failure, the unit will stop.

2. Adjusting the Fan Speed

A. Automatic fan speed

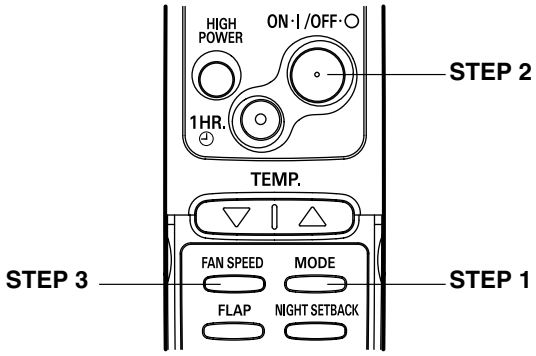
Simply set the FAN SPEED selector button to the Ⓐ🌀 position.

This automatically sets the best fan speed for the room temperature.

B. Manual fan speed

If you want to adjust fan speed manually during operation, just set the FAN SPEED selector button as desired. [🌀, 🌀, or 🌀]

3. Fan Only



If you want to circulate air without any temperature control, follow these steps:

STEP 1	Press the MODE selector button to switch to the fan mode 🌀.
STEP 2	Press the ON/OFF operation button.
STEP 3	Press the FAN SPEED selector button to select the fan speed of your choice (🌀, 🌀 or 🌀).

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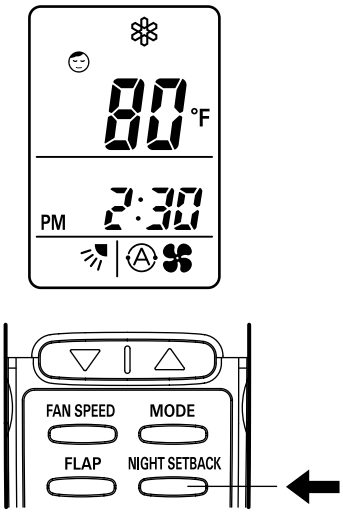
4. Night Setback Mode



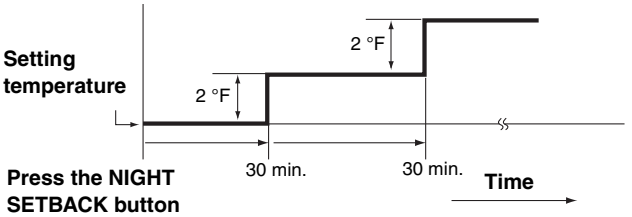
Night Setback Mode is used for saving energy.

Press the NIGHT SETBACK button while operation.
The mark appears in the display.

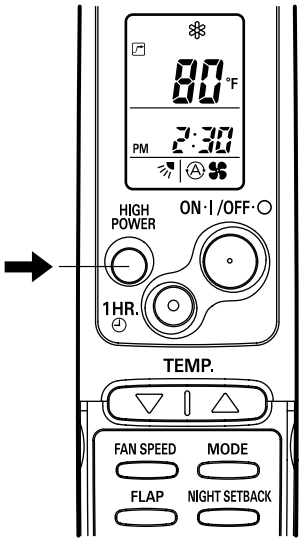
To release the night setback function, press the NIGHT SETBACK button again.

In Cooling and DRY Mode: (and)

When the night setback mode is selected, the air conditioner automatically raises the temperature setting 2 °F when 30 minutes have passed after the selection was made, and then another 2 °F after another 30 minutes have passed, regardless of the indoor temperature when night setback was selected. This enables you to save energy without sacrificing comfort. This function is convenient when gentle cooling is needed.



5. HIGH POWER Mode



HIGH POWER mode can be used to increase the output of the indoor unit for all operation modes except automatic operation.

Press the HIGH POWER button while operation.
The mark appears in the display.

To cancel, press HIGH POWER button again.

- When the HIGH POWER button is pressed, the unit operates at maximum output for 30 minutes, regardless of the desired temperature. The fan speed is 1 step above “High”.

NOTE

Depending on the operating conditions, the fan speed may be increased by a small amount only.

SPECIAL REMARKS

“DRY” ( ) Operation

How it works?

- Once the room temperature reaches the level that was set, the unit’s operation frequency is changed automatically.
- During DRY operation, the fan speed automatically runs at lower speed for providing a comfortable breeze.
- “DRY” operation is not possible if the indoor temperature is 59 °F or less.

Cooling ( ) operation

- Sometimes the indoor unit may not get to the set fan speed such as LOW under cool operation at very low outdoor temperatures due to the indoor unit being protected from ice or frost when combined with the outdoor unit for Low Ambient Cooling models.

Power failure during operation

- In the event of power failure, the unit will stop. When the power is resumed, the unit will restart automatically within five minutes by the remote control unit.

Clicking Sound

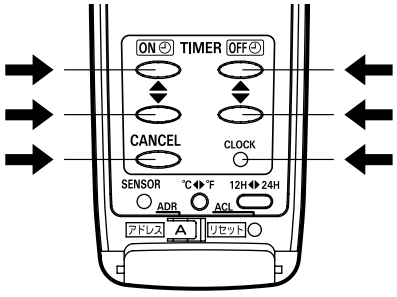
Clicking sound is heard from the air conditioner

- In cooling operation, any plastic parts may shrink due to a sudden temperature change. In this event, a clicking sound may occur. This is normal, and the sound will soon disappear.

Remote Control Unit

- The remote control unit sends the setting condition to the air conditioner regularly at five minute intervals.

SETTING THE TIMER



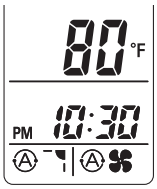
NOTE

In the descriptions below, the following settings are used for the temperature and time indicator selector button on the bottom front section of the remote control.

- Temperature: °F
- Time: AM, PM

1. How to set the present time

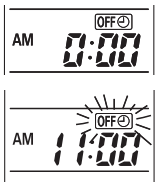
(Example) To set to 10:30 pm.

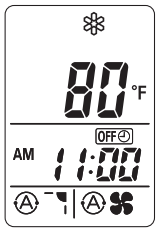


Operation	Indication
1. Press the CLOCK button once if the time indicator is not flashing.	The time indication alone flashes.
2. Press the Advance, Return (▲, ▼) button until PM 10:30 is displayed.	The time can be set in 1-minute increments. Holding down the button advances the time rapidly in 10-minute increments.
3. Press the CLOCK button again.	This completes the setting of the current time.

2. How to set the OFF time

(Example) To stop the air conditioner at 11:00 am.

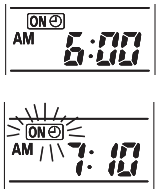


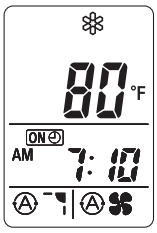


Operation	Indication
1. Press the OFF TIME setting button once.	The timer OFF indication is displayed, and the present OFF time is shown.
2. Press the Advance, Return (▲, ▼) button until AM 11:00 is displayed.	The timer OFF indication blinks. The time can be set in 10-minute increments. Holding down the button advances the time rapidly in 10-minute increments.
3. Wait a few seconds, and then the setting is complete.	The timer OFF indication stops blinking and the present time is displayed.

3. How to set the ON time

(Example) To start operation at 7:10 am.

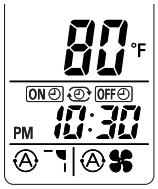




Operation	Indication
1. Press the ON TIME setting button once.	The timer ON indication is displayed, and the present ON time is shown.
2. Press the Advance, Return (▲, ▼) button until AM 7:10 is displayed.	The timer ON indication blinks. The time can be set in 10-minute increments. Holding down the button advances the time rapidly in 10-minute increments.
3. Wait a few seconds, and then the setting is complete.	The timer ON indication stops blinking and the present time is displayed.

4. How to set daily ON/OFF repeat timer

(Example) To start operation at 7:10 am. and stop the air conditioner at 11:00 am.



10:30 pm.
Present time

7:10 am.
ON

11:00 am.
OFF

Operation	Indication
1. Set the timer ON/OFF times as shown in 2-1, 2, 3 and 3-1, 2, 3.	The present time 10:30 pm. and ON OFF are displayed.

NOTE

- The ON/OFF combination timer uses the current time as the reference, and it is activated starting from whichever set time comes first.
- With the ON/OFF combination timer, the settings are repeated every day.
- You can check the timer ON/OFF times after you have set them by pressing the ON TIME and OFF TIME setting buttons.

To cancel a timer program

- Press the CANCEL button.
- When either an ON or OFF timer is to be canceled, press the button corresponding to the timer whose program is to be canceled, and then press the CANCEL button.

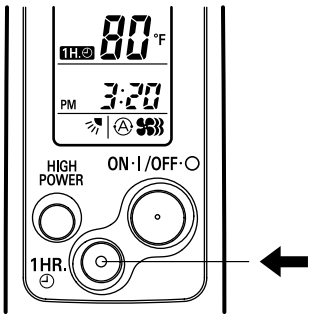
NOTE

- The airflow direction, fan speed and temperature setting can be changed after a timer program has been set even when the unit is stopped. Even when operation is stopped during an ON timer program, the unit will start operating when the set time is reached provided that the program is not canceled.
- When the ON timer and OFF timer are set to the same time, the timer operates as if it is turned off.

EG

USING THE 1-HOUR OFF TIMER

1. 1-Hour OFF Timer



This function causes the unit to operate for one hour and then stop, regardless of whether the unit is on or off when this button is pressed.

The 1H. indicator in the display indicates that this function is operating.

Setting procedure:

Regardless of whether the unit is operating or stopped, press the 1 HR. TIMER button.

1H. appears in the display.

Cancellation procedure:

Press the ON/OFF operation button to turn the unit off, wait for the unit to stop operating, and then press the ON/OFF operation button again.

The 1-Hour Timer function is now cancelled and the unit operates normally.

NOTE

- If, while the 1-Hour Timer function is operating, the 1HR. TIMER button is pressed once to cancel the function and then again, the unit continues to operate for one hour from that point in time and then stops.
- It is not possible to use the OFF Timer and 1-Hour OFF Timer together. Whichever function is set last takes precedence. If the 1 HR. TIMER button is pressed while the TIMER OFF function operates, the OFF Timer is cancelled and the unit will stop operating one hour later.

2. Operation together with the daily ON/OFF repeat timer

The 1-Hour OFF Timer setting is given priority over the DAILY ON/OFF REPEAT setting.

TIPS FOR ENERGY SAVING

Do not

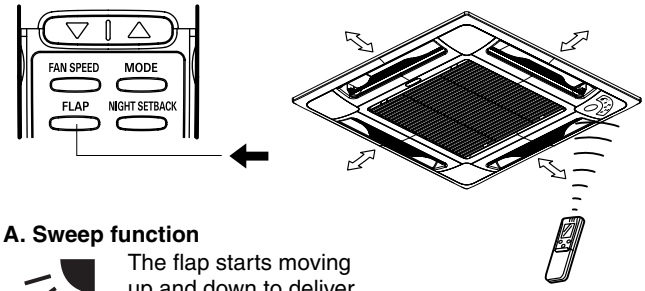
- **Block the air intake and outlet of the unit. If they are obstructed, the unit will not work well, and may be damaged.**
- Let direct sunlight into the room. Use sunshades, blinds or curtains. If the walls and ceiling of the room are warmed by the sun, it will take longer to cool the room.

Do

- Always try to keep the air filter clean. (Refer to “CARE AND CLEANING”.) A clogged filter will impair the performance of the unit.
- To prevent conditioned air from escaping, keep windows, doors and any other openings closed.

ADJUSTING THE AIRFLOW DIRECTION

The vertical airflow can be adjusted by moving the flap with the remote control unit. Do not move the flap with your hands. Confirm that the remote control unit has been turned on. Use the FLAP button to set either the sweep function or one of the six airflow direction settings.

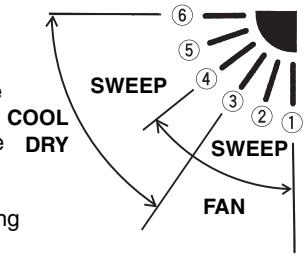


A. Sweep function

The flap starts moving up and down to deliver air over the sweep range.

B. Setting the airflow manually

Referring to the above illustration, use the FLAP button to set the airflow direction within the range used during cooling or dehumidifying operation.



C. Auto flap function

The flap is set to the recommended position.

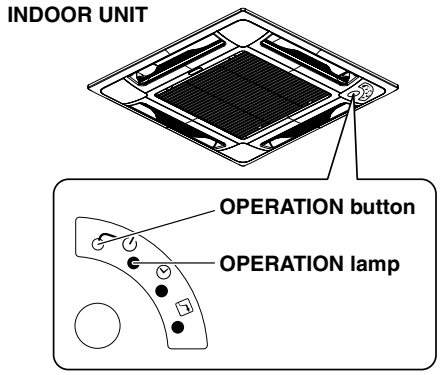
NOTE

The flap automatically closes when the unit is off.

CAUTION

- **Use the FLAP button on the remote control to adjust the position of the flap. If you move the flap by hand, the flap position according to the remote control and the actual flap position may no longer match. If this should happen, shut off the unit, wait for the flap to close, and then turn on the unit again; the flap position will now be normal again.**
- **Do not have the flap pointed down during cooling operation. Condensation may begin to form around the air vent and drip down.**

OPERATION WITHOUT THE REMOTE CONTROL UNIT



If you have lost the remote control unit or it has trouble, follow the steps below.

When the air conditioner is not running

Each time the OPERATION button is pressed, the operation mode changes cyclically.

NOTE

The temperature is set to the room temperature minus 4°F during the cooling operation, and the fan speed and flap are set to Auto.

CARE AND CLEANING

WARNING

- **Cleaning and maintenance operations must be carried out by specially trained personnel.**
  While working in high places, slipping or falling may result in serious injury.
- **For safety, be sure to turn the air conditioner off and also to disconnect the power before cleaning.**
- **Do not pour water on the indoor unit to clean it. This will damage the internal components and cause an electric shock hazard.**

EG

Ceiling panel (Indoor Unit)

Clean the ceiling panel of the indoor unit with a vacuum cleaner brush, or wipe it with a clean, soft cloth.

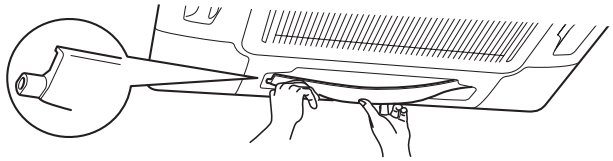
If it is stained, use a clean cloth moistened with a mild liquid detergent. When cleaning it, be careful not to force the flaps out of place.

CAUTION

- **Never use solvents, or harsh chemicals when cleaning the indoor unit. Do not wipe the plastic casing using very hot water.**
- **Some metal edges and the fins are sharp and may cause injury if handled improperly; be especially careful when you clean these parts.**
- **The internal coil and other components of the outdoor unit must be cleaned every year. Consult your dealer or service center.**

Cleaning the flaps

- The air outlet flap can be removed and washed with water.
- Be sure to always stop operation before removing the flap.
- After washing with water, allow it to dry, and then remount it.



CAUTION

- **Do not move the flap with your hands.**
- **When using a footstool or the like, be careful not to let it tip over.**

Cleaning the main unit and remote control unit

- Wipe clean using a soft, dry cloth.
- To remove stubborn dirt, moisten a cloth in warm water no hotter than 104 °F, wring thoroughly, and then wipe.

Air filter

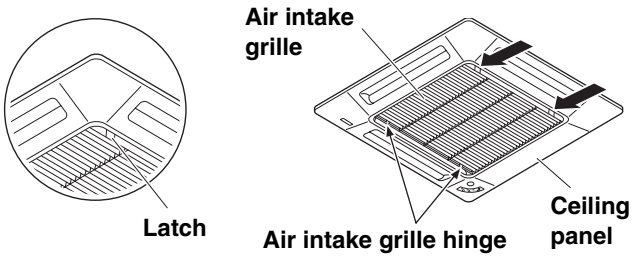
The air filter collects dust and other particles from the air and should be cleaned once every 6 months.
If the filter gets blocked, the efficiency of the air conditioner drops greatly.

NOTE

The frequency with which the filter should be cleaned depends on the environment in which the unit is used.

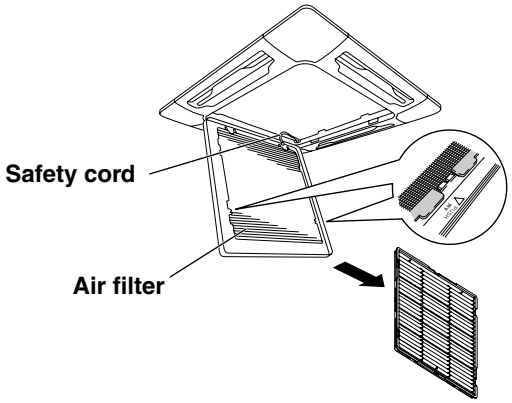
How to remove the filter

1. Slide the two latches of the air intake grille with your thumbs in the direction of the arrow to open the grille.



2. Open the air intake grille downward.

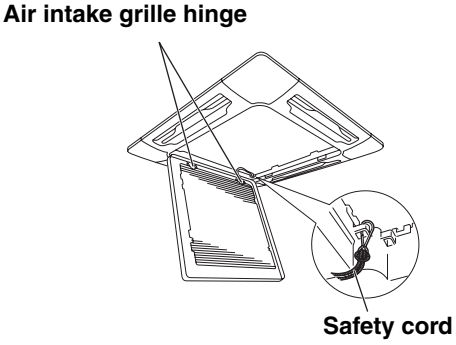
3. Press the tabs on both sides of the air filter (indicated with ◁ marks on the grill) to release the filter, and then, lift and pull the filter up and out using the tabs to remove it.



4. Use a vacuum cleaner to remove light dust. If there is sticky dust on the filter, wash the filter in lukewarm, soapy water, rinse it in clean water, and dry it.
5. Insert the filter correctly again inside the grille, close the grille letting the latches slide towards the outside and fix again the latch.

How to remove the air intake grille

1. Open the air intake grille.
2. Detach the safety cord from the frame (remember to attach it again after cleaning or maintenance).
3. Hold on the air intake grille and pull it towards you to detach the two air intake grille hinges.
4. Clean the grille gently using a soft sponge, or the like. Then dry it with care.
   Neutral detergent may be used to remove stubborn dirt. Then rinse thoroughly with water and dry it.



CAUTION

- **When cleaning the air filter, never remove the safety cord. If it is necessary to remove it for servicing and maintenance inside, be sure to reinstall the safety cord securely (hook on the grille side) after the work.**
- **When the air intake grille has been opened, rotating parts (such as the fan), electrically charged areas, etc. will be exposed in the unit's opening. Bear in mind the dangers that these parts and areas pose, and proceed with the work carefully.**
- **Periodically check the outdoor unit to see if the air outlet or air intake is clogged with dirt or soot.**

Care: After a prolonged idle period

Check the indoor and outdoor unit air intakes and outlets for blockage; if there is a blockage, remove it.

Care: Before a prolonged idle period

- Operate the fan for half a day to dry out the inside.
- Disconnect the power supply and also turn off the circuit breaker.
- Clean the air filter and replace it in its original position.
- Outdoor unit internal components must be checked and cleaned periodically.
  Contact your local dealer for this service.

TROUBLESHOOTING

If your air conditioner does not work properly, first check the following points before requesting service. If it still does not work properly, contact your dealer or service center.

Trouble	Possible Cause	Remedy
Air conditioner does not run at all.	1. Power failure. 2. Leakage circuit breaker tripped. 3. Line voltage is too low. 4. Batteries in remote control unit have run down.	1. Restore power. 2. Contact service center. 3. Consult your electrician or dealer. 4. Replace batteries.
OPERATION lamp blinks and air conditioner does not operate.	Trouble in system.	Contact service center.
Compressor runs but soon stops.	Obstruction in front of condenser coil.	Remove obstruction.
Poor cooling performance.	1. Dirty or clogged air filter. 2. Heat source or many people in room. 3. Doors and/or windows are open. 4. Obstacle near air intake or air discharge port. 5. Thermostat is set too high for cooling.	1. Clean air filter to improve airflow. 2. Eliminate heat source if possible. 3. Shut them to keep the heat out. 4. Remove it to ensure good airflow. 5. Set the temperature lower.
Clicking sound is heard from the air conditioner.	In cooling operation, any plastic parts may shrink due to a sudden temperature change. In this event, a clicking sound may occur.	This is normal, and the sound will soon disappear.
OPERATION lamp lights but outdoor unit will not run.	The use of cellular phones near the air conditioner may cause disturbance to its normal operation.	1. Turn off the power then restart the air conditioner after a while. 2. Consult your dealer.
TIMER lamp blinks (3 sec. interval) and air conditioner does not operate.	FLOAT SWITCH is actived.	Contact service center.

OPERATING RANGE

The air conditioner is operable within the temperature ranges as listed below:

For Cooling Only Models : C1271, C1872

	Temperature	Indoor air temperature	Outdoor air temperature
COOLING	Max.	95 °F DB / 71 °F WB	115 °F DB
	Min.	67 °F DB / 57 °F WB	67 °F DB

For Low Ambient Cooling Models : CL1271, CL1872

	Temperature	Indoor air temperature	Outdoor air temperature
COOLING	Max.	95 °F DB / 71 °F WB	115 °F DB
	Min.	67 °F DB / 57 °F WB	0 °F DB

WIRED REMOTE CONTROLLER

A separately sold wired remote controller (STK-RCS-7TWSU) used with this air conditioner is also available. If you wish to use the wired remote control function, you will need to purchase the optional wired remote controller.

STK-RCS-7TWSU

SANYO

INSTRUCTION MANUAL
Wired Remote Controller

EG

MODE D'EMPLOI
Télécommande Filaire

F

This wired remote controller is designed for both the "COOL/DRY/HEAT Model" and "COOL/DRY Model" indoor unit.
Before using the remote controller, be sure to confirm the "model type" specified on the front cover of the INSTRUCTION MANUAL supplied with the indoor unit.

Save These Instructions!
Conserver ce mode d'emploi

Pub. OI-852641811190000

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PRODUCT INFORMATION

If you have problems or questions concerning your wired remote controller, you will need the following information.

Model No. _____

Date of purchase _____

Dealer's address _____

Phone number _____

ALERT SYMBOLS

The following symbols used in this manual, alert you to potentially dangerous conditions to users, service personnel or the appliance:

WARNING — **This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.**

CAUTION — **This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.**

INSTALLATION LOCATION

We recommend that this wired remote controller be installed properly by qualified installation technicians in accordance with the Installation Instructions provided with the unit.

WARNING

- **Do not install this wired remote controller where there are fumes or flammable gases, or in an extremely humid space such as a greenhouse.**
- **Do not install the wired remote controller where excessively high heat-generating objects are placed.**

Avoid:

To protect the air conditioner from heavy corrosion, avoid installing the outdoor unit where salty sea water can splash directly onto it or in sulphurous air near a spa.

ELECTRICAL REQUIREMENTS

1. All wiring must conform to the local electrical codes. Consult your dealer or a qualified electrician for details.
2. Each unit must be properly grounded with a ground (or earth) wire or through the supply wiring.
3. Wiring must be done by a qualified electrician.

SAFETY INSTRUCTIONS

- **Read this Instruction Manual carefully before using this air conditioner. If you still have any difficulties or problems, consult your dealer for help.**
- **This air conditioner is designed to give you comfortable room conditions. Use this only for its intended purpose as described in this Instruction Manual.**

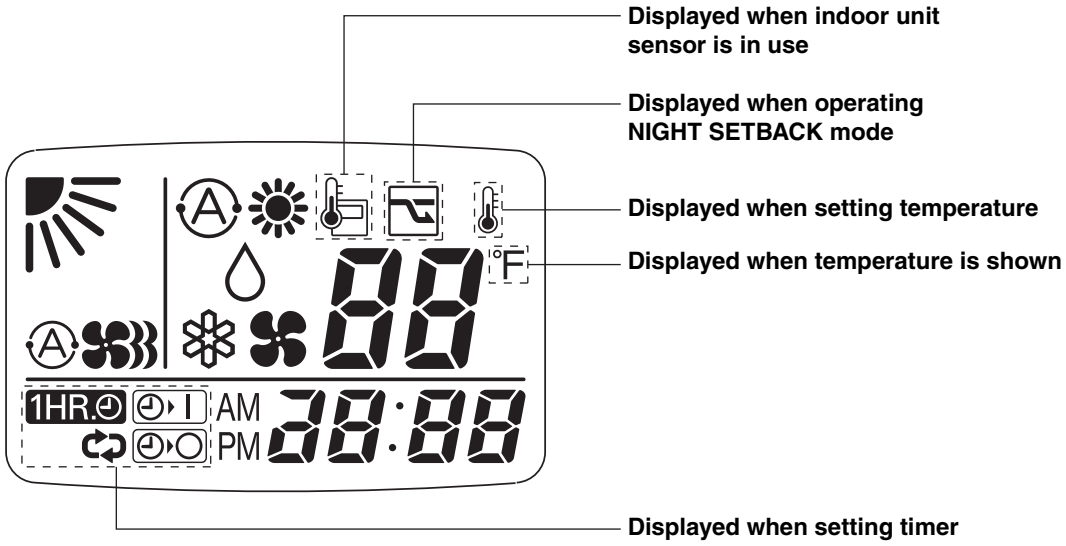
WARNING

- **Never use or store gasoline or other flammable vapor or liquid near the air conditioner — it is very dangerous.**
- **This air conditioner has no ventilator for intaking fresh air from outdoors. You must open doors or windows frequently when you use gas or oil heating appliances in the same room, which consume a lot of oxygen from the air. Otherwise there is a risk of suffocation in an extreme case.**

CAUTION

- **Do not turn the air conditioner on and off from the power mains switch. Use the ON/OFF operation button.**
- **Do not stick anything into the air outlet of the outdoor unit. This is dangerous because the fan is rotating at high speed.**
- **Do not let children play with the air conditioner.**
- **Do not cool or heat the room too much if babies or invalids are present.**

REMOTE CONTROL UNIT (DISPLAY)



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Symbols

(1) Operation mode

AUTO ..... (only for COOL/DRY/HEAT Model)

HEAT ..... (only for COOL/DRY/HEAT Model)

MILD DRY .....

COOL .....

FAN .....

(2) Fan speed

Automatic operation .....

HIGH .....

MEDIUM .....

LOW .....

(3) Temperature setting
60 – 86 °F .....

When set to 80 °F temperature indication .....

(4) Timer

24-hour clock with ON/OFF program Timer .....

ON Timer. .....

OFF Timer. .....

1-hour OFF Timer. .....

(5) NIGHT SETBACK .....

(6) Flap angle indication .....

Sweep indication .....

REMOTE CONTROL UNIT

NOTE

The descriptions on the AUTO (Ⓐ) or HEAT (☼) operation mode are only for the "COOL/DRY/HEAT Model," and not for the "COOL/DRY Model."

Display

Information on the operating conditions is displayed while the remote control unit is switched on. If the unit is turned off, only the mode that was set previously is still displayed.

Temperature setting buttons (TEMP.)

Press the ▲ button to increase the set temperature.

Press the ▼ button to reduce the set temperature.

The temperature setting changes by 2 °F each time one of the TEMP. buttons is pressed.

FAN SPEED selector button

Ⓐ : The air conditioner automatically decides the fan speeds.

: High fan speed

: Medium fan speed

: Low fan speed

NIGHT SETBACK button

For details, see "5. Night Setback Mode". When you press this button in the HEAT, DRY or COOL mode, the mark appears in the display, and the remote control unit will automatically adjust the set temperature to save energy.

FLAP button

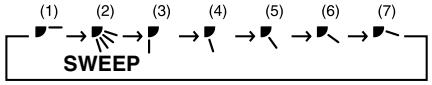
Press this button either to select the setting of the airflow direction to one of the six possible positions manually or to select the sweep function which moves the flap up and down automatically.

: The airflow direction can be set manually. (six positions)

: The flap moves up and down automatically.

NOTE

When you press the FLAP button, the air flow direction will be changed one by one as follows.



Timer and Present Time setting buttons

First, press the SET button to select the mode (ON, OFF and Present Time settings) you want.

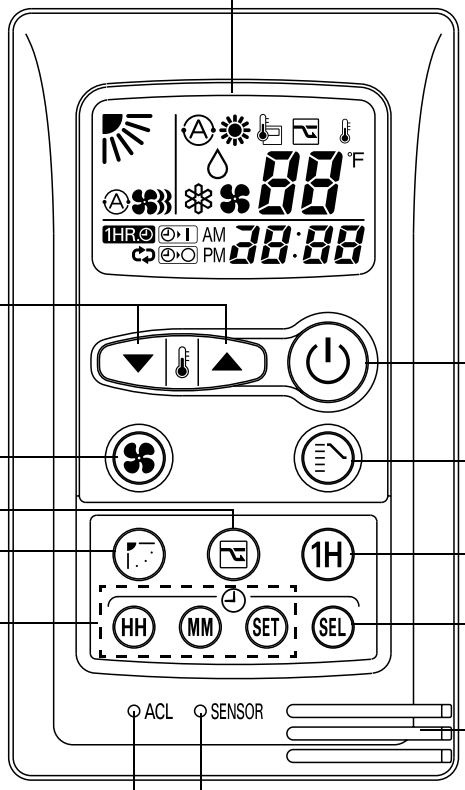
Each time you press the "HH" button, the hours advance by one. (PM0, PM1.....PM11, AM0, AM1.....AM11)

Each time you press the "MM" button, the minutes advance by one when setting Present Time and by ten when setting ON and OFF Time.

SET button

For details, see "Setting the Timer".

Press this button to select the mode you want to program.



ACL button (ALL CLEAR)

When you press the ACL button while the operation button is ON, all settings are cleared. Press the ACL button if the air conditioner is not operating correctly.

ON/OFF operation button
This button is for turning the air conditioner on and off.

MODE selector button
Use this button to select AUTO, HEAT, DRY, COOL or FAN mode.

- **(AUTO)** Ⓐ : When this setting is selected, the air conditioner calculates the difference between the thermostat setting and the room temperature and automatically switches to the “COOL” or “HEAT” mode as appropriate.
- **(HEAT)** : The air conditioner makes the room warmer.
- **(DRY)** : The air conditioner reduces the humidity in the room.
- **(COOL)** : The air conditioner makes the room cooler.
- **(FAN)** : The air conditioner works only as a circulation fan.

1 HR. TIMER button (1-HOUR OFF TIMER)

1HR : When you press this button, regardless of whether the unit is operating or stopping, the unit operates for one hour and then shuts down.

TIMER SELECT button

No display : The timer does not operate.

- : The air conditioner starts at the set time.
- : The air conditioner stops at the set time.
- : The air conditioner stops and starts, or starts and stops, at the set times every day.

Sensor
A temperature sensor inside the remote control unit senses the room temperature.

SENSOR button
When you press this button (use a small-tipped object such as a ballpoint pen), the mark will disappear at the display. And the room temperature is detected by the sensor which is built into the remote control unit and the air conditioner is controlled accordingly.

NOTE

If the remote control is located near a heat source, such as a space heater or in direct sunlight, press the SENSOR button to switch to the sensor on the indoor unit.

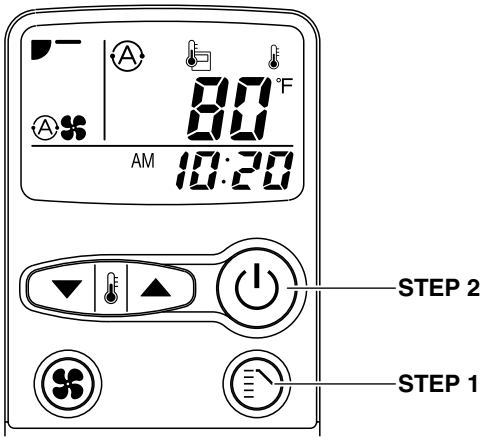
NOTE

The indoor fan runs continuously when the system is in normal operation. It does not turn off when the desired room temperature is reached. If Night Set Back mode is selected, the fan will turn off intermittently during cooling operation in order to control air flow.

OPERATION WITH THE REMOTE CONTROL UNIT

1. Automatic Operation (only for COOL/DRY/HEAT Model)

This unit automatically switches between cooling operation and heating operation according to the difference between the room temperature and the temperature setting.



NOTE Check that the circuit breaker on the power panel is turned on.

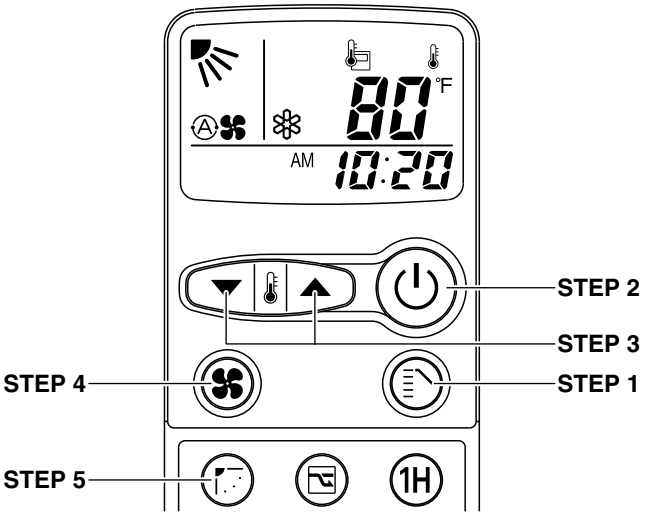
Once Ⓐ mode is selected and the unit is preset by following the steps below, you can have the air conditioner automatically bring the room to the desired temperature simply by pressing the ON/OFF operation button.

STEP 1	Press the MODE selector button to Ⓐ.
STEP 2	Press the ON/OFF operation button.

To stop the air conditioner, press the ON/OFF operation button again.

NOTE To change the temperature setting; press the temperature setting buttons and change the setting to the desired temperature.

2. Manual Operation



NOTE Check that the circuit breaker on the power panel is turned on.

If the automatic operation settings of the unit do not meet your needs, press the setting buttons as described below and change the settings as desired.

STEP 1	Press the MODE selector button and select the desired mode. For heating operation → ☀ For dehumidifying operation → 💧 For cooling operation → ❄ For fan only operation → 🌀
STEP 2	To start the air conditioner, press the ON/OFF operation button.
STEP 3	Press the TEMP. setting buttons to change the temperature setting to the desired temperature. Adjustable temperature range: 86 °F max. 60 °F min.
STEP 4	Set the FAN SPEED selector button to the setting you want.
STEP 5	Press the FLAP button and set the airflow direction as desired. (Refer to “ADJUSTING THE AIRFLOW DIRECTION” on page 9.)

To stop the air conditioner, press the ON/OFF operation button again.

NOTE

- Choose the best position in the room for the remote control unit, which also acts as the sensor for room comfort and transmits the operating instructions. Once you’ve found this best position, always keep the remote control unit there.
- This appliance has a built-in 5-minute time delay circuit to ensure reliable operation. When the operation button is pressed, the compressor will start running within three minutes. In the event of power failure, the unit will stop.
- The display on the remote control unit shows the setting temperature and not the room temperature.

3. Adjusting the Fan Speed

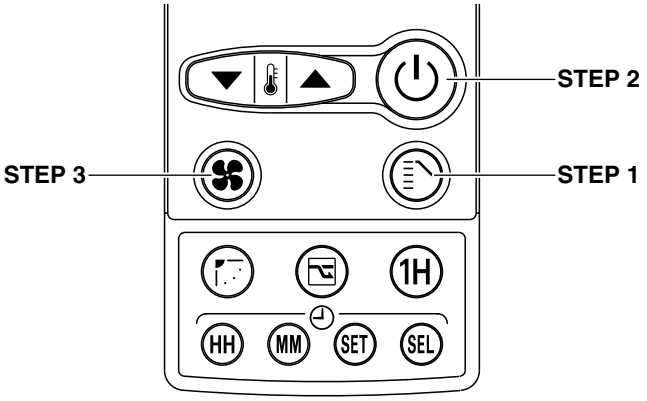
A. Automatic fan speed

Simply set the FAN SPEED selector button to the Ⓐ position.
This automatically sets the best fan speed for the room temperature.

B. Manual fan speed

If you want to adjust fan speed manually during operation, just set the FAN SPEED selector button as desired. [, , or]

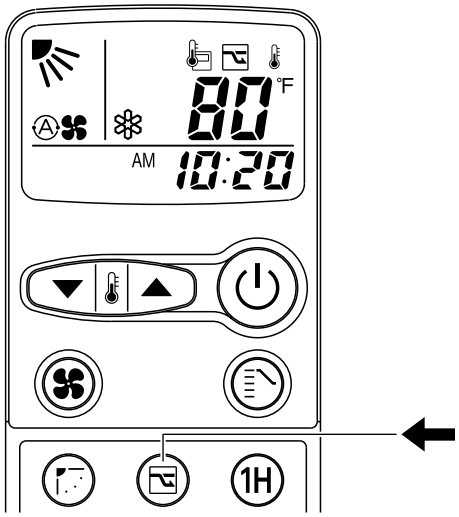
4. Fan Only



If you want to circulate air without any temperature control, follow these steps:

STEP 1	Press the MODE selector button to switch to the fan mode .
STEP 2	Press the ON/OFF operation button.
STEP 3	Press the FAN SPEED selector button to select the fan speed of your choice (, or).

5. Night Setback Mode



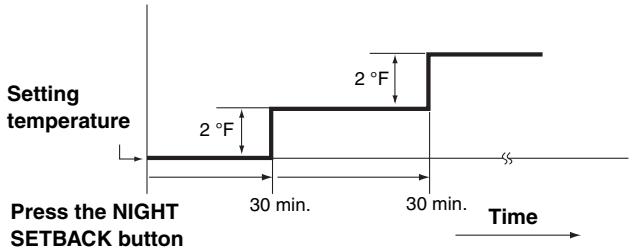
Night Setback Mode is used for saving energy.

Press the NIGHT SETBACK button while operation.
The mark appears in the display.

To release the night setback function, press the NIGHT SETBACK button again.

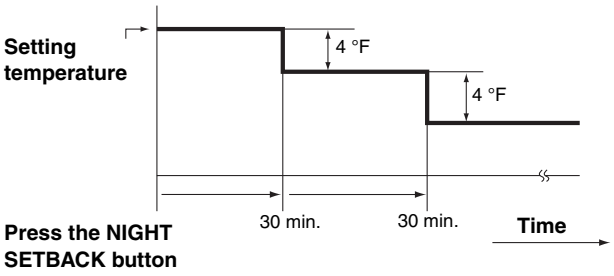
A. In Cooling and DRY Mode: (and)

When the night setback mode is selected, the air conditioner automatically raises the temperature setting 2 °F when 30 minutes have passed after the selection was made, and then another 2 °F after another 30 minutes have passed, regardless of the indoor temperature when night setback was selected. This enables you to save energy without sacrificing comfort. This function is convenient when gentle cooling is needed.



B. In Heating Mode: ( )
(only for COOL/DRY/HEAT Model)

When the night setback mode is selected, the air conditioner automatically lowers the temperature setting 4 °F when 30 minutes have passed after the selection was made, and then another 4 °F after another 30 minutes have passed, regardless of the indoor temperature when night setback was selected. This enables you to save energy without sacrificing comfort. This function is convenient when gentle heating is needed.



SPECIAL REMARKS

Power failure during operation

- In the event of power failure, the unit will stop. When the power is resumed within 3 hours, the unit will restart automatically within five minutes by the remote control unit.

Remote Control Unit

- The remote control unit sends the setting condition to the air conditioner regularly at five minute intervals.

Remote Control Unit Display

- If the display malfunctions, press the ACL button.
  This resets the remote control unit back to the initial settings.
  Make the settings again.

EG